INFORMATION SYSTEMS ARCHITECT

GRADE 41

FLSA Status: Exempt

GENERAL DEFINITION OF WORK:

Under limited supervision, serves in an IT leadership role by managing complex projects or systems that provide critical or enterprise-wide support to large and diverse business applications, or manages such systems for multi-agencies; manages multi-disciplinary teams consisting of IT personnel, contractors and business partners in the implementation of IT projects, and performs related work as required.

ESSENTIAL FUNCTIONS/TYPICAL TASKS:

Managing complex systems for multi-agencies; managing multi-disciplinary IT teams, contractors and business partners, implementing IT projects and planning new and complex technologies to meet end user requirements.

(These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.)

➢ Provides support to systems that require high vigilance or 24/7 hour support.
➢ Manages projects or systems that support the enterprise or have multi-agency impact.
➢ Monitors technology trends and innovation that leverage opportunities to enhance systems that make existing application operate more efficiently.
➢ Provides for improved integration with other systems using newer technologies that provide improved innovative methods to solve business needs.
➢ Manages large IT projects which require extensive knowledge and experience of project management, methodologies, tools, and practices.
➢ Serves as lead technical resource in the area of application development, network design and management and/or database design.
➢ Oversees all planning, research, analysis, design and implementation functions and related documentation of new and complex technologies to meet end user requirements.
➢ Provides leadership and works closely with other IT staff and management to ensure that IT policies, procedures, and standards are enforced for existing and new technologies.
➢ Participates in the formulation of new policies, procedures, and standards as new technologies are deployed.
➢ Provides senior technical leadership expertise across IT department and county agencies.
➢ Ensures that Information Systems meet specified business requirements, operate according to negotiated performance standards, and that all enhancements are implemented according to County technology standards and delivered on schedule.
➢ Manages staff, contractors, project plans, and project budget which includes understanding the County's budget process, procurement process and work with users in budget preparation and submission.
➢ Assists management in setting priorities and serves as the senior technical resource for all planning, analysis, design, and implementation functions of large Information Technology project.
➢ Performs related tasks as required.

KNOWLEDGE, SKILLS AND ABILITIES:

Thorough knowledge of the capabilities and requirements of various computer platforms functioning in centralized, distributed, client server, and stand-alone operating environments.; thorough knowledge of and experience in the area of application development including application and system architecture, in addition to a strong understanding of object-oriented design, database management systems, database languages, long-term capacity planning and growth, permissions configuration, optimizing and tuning performance OR thorough understanding of network design and management in a CISCO environment including routers, switches and VOIP; thorough knowledge of data center architecture particularly support, creation and maintenance of a virtualized server multi data center system; thorough knowledge of modern methods, techniques and tools of information systems project management; ability to effectively adapt to rapidly changing technology and apply it to business needs.; ability to plan, organize, and conduct systems analysis to evaluate business requirements; ability to use project management methods, principles, and tools (software) to schedule projects and monitor progress; ability to lead efforts in implementing configuration management and systems change management; ability to effectively monitor system development, system modifications and enhancements; ability to analyze project needs and determine resources needed to meet objectives and solve problems that involve remote and elusive symptoms, often spanning multiple environments in business areas; ability to use strong analytical and conceptual skills to create original concepts/theories for various projects; ability to communicate technical ideas clearly and in translating user information requirements; ability to make decisions based on factual data, and to evaluate the progress or success of systems; ability to plan, organize, coordinate, assign, and evaluate the work of staff regardless of reporting structure; ability to establish and maintain a high level of customer trust and confidence in the team's knowledge of and concern for customer requirements; ability to follow instructions both verbally and written; ability to establish and maintain effective working relationships with associates and the general public.

EDUCATION AND EXPERIENCE:

Any combination of education, experience, and training equivalent to an Associate's degree in computer science or a related field AND 12 years programming/system analysis experience in a complex information systems environment to include 5 years of experience in systems design, development, database management and/or project management in a complex information systems environment OR a Bachelor's degree in computer science or related field AND 8 years programming/system analysis experience in a complex information systems environment and 5 years of experience in systems design, development, database management and/or project management in a complex information systems Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.

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PHYSICAL REQUIREMENTS:
This is light work requiring the exertion of up to 30 pounds of force occasionally, up to 10 pounds of force frequently, and a negligible amount of force constantly to move objects; work requires stooping, reaching, lifting, fingering, grasping, and repetitive motions; vocal communication is required for expressing or exchanging ideas by means of the spoken word; hearing is required to perceive information at normal spoken word levels; visual acuity is required for depth perception, color perception, preparing and analyzing written or computer data, visual inspection involving small defects and/or small parts, operation of machines, determining the accuracy and thoroughness of work, and observing general surroundings and activities; the worker is not subject to adverse environmental conditions.

SPECIAL REQUIREMENTS:
Possession of an appropriate driver's license valid in the Commonwealth of Virginia. Must pass a criminal background check and credit history check.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.